

CURRENT DETECTOR PROVIDED WITH HALL ELEMENT

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Inventor: OTSUKA KOJI

Applicant: SANKEN ELECTRIC CO LTD

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- European: G01R15/20B; H01L43/06B

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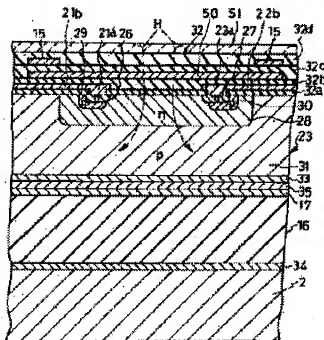
EP1107327 (A3)

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Abstract of JP2001230467

PROBLEM TO BE SOLVED: To detect a current with accuracy by using a Hall element.

SOLUTION: On an insulation film 32 formed on the surface of a semiconductor substrate 23 which constitutes the Hall element 1, a conductor layer 15 is formed as a current path. The conductor layer 15 is so disposed as to surround a main operating region of the Hall element 1. Between the conductor layer 15 and the semiconductor substrate 23, a Mo-made shield layer 50 is disposed to prevent dielectric noise.



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Family list**5 family members for: JP2001230467**

Derived from 3 applications

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- 1 Semiconductor current detector of improved noise immunity**
Inventor: OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (JP)
EC: G01R15/20B; H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+2)
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- 2 CURRENT DETECTOR PROVIDED WITH HALL ELEMENT**
Inventor: OTSUKA KOJI **Applicant:** SANKEN ELECTRIC CO LTD
EC: G01R15/20B; H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+2)
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- 3 Semiconductor current detector of improved noise immunity**
Inventor: OHTSUKA KOJI (JP) **Applicant:** SANKEN ELECTRIC CO LTD (US)
EC: G01R15/20B; H01L43/06B **IPC:** G01R15/20; H01L43/06; G01R15/14 (+2)
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